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APPLICATION NO	. 1	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/789,414	•	02/27/2004	Brian M. Aquila	SPV-047.02	5245
25181	7590	12/22/2004		EXAM	INER
FOLEY H			DESAI, R!TA J		
PATENT GROUP, WORLD TRADE CENTER WEST 155 SEAPORT BLVD BOSTON, MA 02110				ART UNIT	PAPER NUMBER
				1625	

DATE MAILED: 12/22/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	10/789,414	AQUILA ET AL.					
Office Action Summary	Examiner	Art Unit					
	Rita J. Desai	1625					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address							
Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM							
A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNIC. - Extensions of time may be available under the provisions of after SIX (6) MONTHS from the mailing date of this commun. - If the period for reply specified above is less than thirty (30) of the period for reply specified above, the maximum statur. - Failure to reply within the set or extended period for reply will Any reply received by the Office later than three months after earned patent term adjustment. See 37 CFR 1.704(b).	ATION. 37 CFR 1.136(a). In no event, however, ication. days, a reply within the statutory minimur tory period will apply and will expire SIX. II by statute, cause the application to be	may a reply be timely filed n of thirty (30) days will be considered timely. 6) MONTHS from the mailing date of this communication. some ABANDONED (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed	on						
2a) This action is FINAL . 2b) This action is non-final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4) Claim(s) See Continuation Sheet is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1,20,39 and 58 is/are rejected. 7) Claim(s) 1-6,8-10, 13-17,19-25, 27-29,32-36, 38-44, 46-48,51-55,57-63, 65-67, 70-74 and 76 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.							
Application Papers							
9) The specification is objected to by the 10) The drawing(s) filed on is/are: Applicant may not request that any object Replacement drawing sheet(s) including t 11) The oath or declaration is objected to	a) accepted or b) objec ion to the drawing(s) be held in he correction is required if the d	abeyance. See 37 CFR 1.85(a). rawing(s) is objected to. See 37 CFR 1.121(d).					
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for a) All b) Some * c) None of: 1. Certified copies of the priority do some * copies of the priority do some * copies of the priority do some * copies of the certified copies of the certified copies of application from the Internation * See the attached detailed Office action	locuments have been receive locuments have been receive f the priority documents have al Bureau (PCT Rule 17.2(a	ed. ed in Application No e been received in this National Stage).					
Attachment(s)							
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PT 3) Information Disclosure Statement(s) (PTO-1449 or Paper No(s)/Mail Date 9/27/04.	Parto/SB/08) 5) Parto/SB/08)	erview Summary (PTO-413) per No(s)/Mail Date stice of Informal Patent Application (PTO-152) her: *					

Continuation Sheet (PTOL-326)

Continuation of Disposition of Claims: Claims pending in the application are 1-6,8-10,13-17,19-25,27-29,32-36,38-44,46-48,51-55,57-63,65-67,70-74 and 76.

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DETAILED ACTION

This application is a divisional of US 10/012242. the restriction made in the parent is given below:-

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1, 3-8,20,22-27,39,44,46,58,60-63,65, drawn to compounds of formula I
 IV wherein n is 0 and Z is NHR", classified in class 548, subclass 566.
- II. Claims 1, 3-7,20, 22-26,39, 41-45,58,60-64, drawn to compounds of formula I-IV wherein n is 0 and Z is an OH, classified in class 548, subclass 570.
- III. Claims 1-6,8-10, 13-17,19-25, 27-29,32-36,38-44,46-48,51-55,57-63,65-67,70-74,76, drawn to compounds of formula I-IV wherein n is 1 and Z is NHR", classified in class 546, subclass 246.
- IV. Claims 1-7, 9-12, 15-18, 20-26, 28-31,34-45,47-50,53-56, 58-64,66-69,72-75, drawn to compounds of formula I-IV wherein n is 1 and Z is OH, classified in class 546, subclass 248.
- V. Claims 1, 3-8,20,22-27,39,41-46,58,60-65, drawn to compounds of formula I-IV wherein n is 2 and Z is NHR" or OH classified in class 540, subclass 609.
- VI. Claims 77-104, drawn to a process of making cyclic compounds classified in various classes and subclasses.

Applicants have elected group III wherein n is 1 and Z is NHR".

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Applicants have cancelled claims 7,11,12, 18,26,30,31,37,45, 49, 50, 56, 64, 68,69,75 and 77-104 without prejudice.

Claims pending are 1-6, 8-10, 13-17,19-25, 27-29,32-36, 38-44, 46-48,51-55,57-63, 65-67, 70-74 and 76.

Upon doing the generic search for group III, it did not run to completion and there were several iterations see below

5.0% PROCESSED 1000 ITERATIONS INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED) SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 394031 TO 411009

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0.5% PROCESSED 1000 ITERATIONS INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED) SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:

ONLINE **INCOMPLETE**

BATCH **INCOMPLETE**

PROJECTED ITERATIONS:

EXCEEDS 1000000

and hence the examiner further restricted group III to

Group IIIa drawn to compounds wherein n is 1, Z is NHR", R is alkyl aryl, R' is an alkyl and R' is an aryl.

Group III b drawn to compounds wherein n is 1, Z is NHR", and R, R' and R" are of a different combination than given in group IIIa. A further election of a single disclosed species is required.

During a telephone conversation with Dr. Dana Gordon on 12/20/04 a provisional election was made with traverse to prosecute the invention of Group IIIa, claims 1-6, 8-10, 13-17,19-25, 27-29,32-36, 38-44, 46-48,51-55,57-63, 65-67, 70-74 and 76 wherein n is 1, Z is NHR", R is alkyl aryl, R' is an alkyl and R'' is an aryl.

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Affirmation of this election must be made by applicant in replying to this Office action. Claim 1, 20, 39 and 58 all in part are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1, 20, 39 and 58 are rejected under 35 U.S.C. 112, first paragraph, because the specification, while being enabling for aryl to be phenyl, does not reasonably provide enablement for any and all the aryls. The specification does not enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make the invention commensurate in scope with these claims. In re Wands, 858 F.2d 731, 737, 8 USPQ2d 1400, 1404 (Fed. Cir. 1988).

There are many factors to be considered when determining whether there is sufficient evidence to support a determination that a disclosure does not satisfy the enablement requirement and whether any necessary experimentation is "undue". These factors include 1) the breadth of the claims, 2) the nature of the invention, 3) the state of the prior art, 4) the level of one of ordinary skill, 5) the level of predictability in the art, 6) the amount of direction provided by the inventor, 7) the existence of working examples, and 8) the quantity of experimentation needed to make or

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use the invention based on the content of the disclosure. In re Wands, 858 F.2d 731, 737, 8 USPQ2d 1400, 1404 (Fed. Cir. 1988).

The breadth of the claims is very large. Applicants definition of an aryle is confusing since the heterocyclic and hetero aromatics have been further defined are the ones with hetero atoms.

The guidance provided by the applicants are drawn to compounds wherein aryl is a phenyl group.

The process of making compounds would depend upon the type of group hetero or non-hetero present on the N of the piperidine.

Thus applicants have not provided clear guidance and direction since there are no working examples.

Applicants can overcome this by limiting the aryl to phenyl.

Conclusion

Close Prior Art:-

US 6645980, USW 6677332, 6635661 Cuny et al teaches similar compounds but the N-Boc derivative. Not the N-alkyl aryl. Also compounds such as 211 and 212 which have the N-alkyl aryl but then the R1 is a H.

The claims 1-6, 8-10, 13-17,19-25, 27-29,32-36, 38-44, 46-48,51-55,57-63, 65-67, 70-74 and 76 wherein n is 1, Z is NHR", R is alkylaryl (alkylphenyl), R' is an alkyl and R" is an aryl (phenyl) are found to be allowable over the prior art of record.

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If applicants amend the claims to the elected group and also overcome the 112 issues the claims will be allowable.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rita J. Desai whose telephone number is 571-272-0684. The examiner can normally be reached on Monday - Friday,9:30 am to 6:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cecilia Tsang can be reached on 571-272-0562. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Rita J. Desai Primary Examiner

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12/20/04

R.D. December 20, 2004